

DIAGNOSIS AND TESTING (Continued)

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PINPOINT TEST C: DIAGNOSTIC TROUBLE CODES 628 TORQUE CONVERTER ERROR DETECTED, 652 TORQUE CONVERTER CLUTCH CIRCUIT FAILURE AND 656 CONTINUOUS SLIP ERROR DETECTED (Continued)

TEST STEP	RESULT	ACTION TO TAKE				
C8 CHECK INTERNAL AXODE (AX4S) HARNESS (CONTINUITY)						
<ul style="list-style-type: none"> Disconnect the internal harness from the solenoid assembly. (TCC wire connector). CAUTION: Do not probe into connector terminals. Connect positive lead from an ohmmeter to tester TCC jack and the negative lead at the Brown wire at the TCC connector. Record resistance. Resistance should be less than 0.5 ohm. Next, connect the positive lead from an ohmmeter to the tester VPWR jack and the negative lead to the Green wire of the TCC connector. Record resistance. Is each resistance less than 0.5 ohm? 	Yes No	GO to C9. REPLACE internal harness. GO to C10.				
C9 CHECK INTERNAL AXODE (AX4S) HARNESS (SHORTS TO GROUND)						
<ul style="list-style-type: none"> Check for continuity between BAT- jack (engine ground) and the appropriate wire with an ohmmeter or other low current tester (less than 200 milliamps). <table border="1"> <thead> <tr> <th>Solenoid</th> <th>Wire</th> </tr> </thead> <tbody> <tr> <td>TCC</td> <td>Brown Green</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Connection should not show continuity (infinite). Is there continuity? 	Solenoid	Wire	TCC	Brown Green	Yes No	REPLACE internal harness. GO to C10. GO to C10.
Solenoid	Wire					
TCC	Brown Green					
C10 CHECK SOLENOID RESISTANCE						
<ul style="list-style-type: none"> Check solenoid resistance by connecting an ohmmeter to the terminals of the TCC solenoid. Record resistance. Resistance should be between 0.98- 1.6 ohms. Is resistance within specifications? 	Yes No	GO to C11. REPLACE TCC solenoid.				
C11 CHECK SOLENOID FOR SHORT TO GROUND						
<ul style="list-style-type: none"> Check for continuity between BAT- jack (engine ground) and each solenoid terminal on the TCC with an ohmmeter or other low current tester (less than 200 milliamps). <table border="1"> <thead> <tr> <th>Solenoid</th> <th>Terminal</th> </tr> </thead> <tbody> <tr> <td>TCC</td> <td>+/-</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Connection should show infinite resistance (no continuity). Is there continuity? 	Solenoid	Terminal	TCC	+/-	Yes No	REPLACE TCC solenoid. REFER to Hydraulic/Mechanical Diagnosis as outlined.
Solenoid	Terminal					
TCC	+/-					

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